EFS

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

10/576.778
IFWO.
3/6/07

ENTERED



IFWO

RAW SEQUENCE LISTING DATE: 03/06/2007 PATENT APPLICATION: US/10/576,778 TIME: 11:18:57

Input Set : N:\efs\03_06_07\10576778_efs\Sequence_Listing.txt

Output Set: N:\CRF4\03062007\J576778.raw

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3 <110> APPLICANT: Ruiz Caston, Jose et al.
      5 <120> TITLE OF INVENTION: PROCESS FOR PRODUCING IN YEASTS EMPTY VIRAL CAPSIDS
CONSISTING OF
              PROTEINS DERIVED FROM PVP2 OF THE INFECTIOUS BURSAL DISEASE
      6
             VIRUS (IBDV)
      9 <130> FILE REFERENCE: 7572-74819
     11 <140> CURRENT APPLICATION NUMBER: US 10/576,778
     12 <141> CURRENT FILING DATE: 2006-04-21
     14 <150> PRIOR APPLICATION NUMBER: PCT/ES2005/070052
     15 <151> PRIOR FILING DATE: 2005-04-27
     17 <150> PRIOR APPLICATION NUMBER: P200401044
     18 <151> PRIOR FILING DATE: 2004-04-30
     20 <160> NUMBER OF SEO ID NOS: 11
     22 <170> SOFTWARE: PatentIn version 3.3
     24 <210> SEQ ID NO: 1
     25 <211> LENGTH: 7929
     26 <212> TYPE: DNA
     27 <213> ORGANISM: Artificial
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     30 <223> OTHER INFORMATION: Nucleotide sequence of plasmid pESCURAinv/pVP2-456
     33 <220> FEATURE:
     34 <221> NAME/KEY: promoter
     35 <222> LOCATION: (1)..(342)
     36 <223> OTHER INFORMATION: Promotor Gall
     38 <220> FEATURE:
     39 <221> NAME/KEY: CDS
     40 <222> LOCATION: (351)..(1721)
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                                                                              120
     47 tgataatgcg attagttttt tagccttatt tctggggtaa ttaatcagcg aagcgatgat
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     49 ttttgatcta ttaacagata tataaatgca aaaactgcat aaccacttta actaatactt
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     51 tcaacatttt cggtttgtat tacttcttat tcaaatgtaa taaaagtatc aacaaaaaat
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     53 tgttaatata cctctatact ttaacgtcaa ggagaaaaaa ccccggatct atg aca
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    55
     57 aac ctg tca gat caa acc cag cag att gtt ccg ttc ata cgg agc ctt
                                                                              404
     58 Asn Leu Ser Asp Gln Thr Gln Gln Ile Val Pro Phe Ile Arg Ser Leu
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    61 ctg atg cca aca acc gga ccg gcg tcc att ccg gac gac acc ctg gag
                                                                              452
     62 Leu Met Pro Thr Thr Gly Pro Ala Ser Ile Pro Asp Asp Thr Leu Glu
                                25
    65 aag cac act ctc agg tca gag acc tcg acc tac aat ttg act gtg ggg
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     66 Lys His Thr Leu Arg Ser Glu Thr Ser Thr Tyr Asn Leu Thr Val Gly
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Input Set : N:\efs\03_06_07\10576778_efs\Sequence_Listing.txt
Output Set: N:\CRF4\03062007\J576778.raw

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70	Asp	Thr	Gly	Ser	Gly	Leu	Ile	Val	Phe	Phe	Pro	Gly	Phe	Pro	Gly	Ser	
71					55					60					65		
73	att	gtg	ggt	gct	cac	tac	aca	ctg	cag	ggc	aat	ggg	aac	tac	aag	ttc	596
74	Ile	Val	Gly	Ala	His	Tyr	Thr	Leu	Gln	Gly	Asn	Gly	Asn	Tyr	Lys	Phe	
75				70					75					80			
77	gat	cag	atg	ctc	ctg	act	gcc	cag	aac	cta	ccg	gcc	agt	tac	aac	tac	644
	Asp																
79	_		85					90					95				
81	tgc	aqq	cta	qtq	aqt	cqq	aqt	ctc	aca	qtq	agg	tca	agc	aca	ctt	cct	692
	Cys																
83	-	100				_	105				_	110					
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	Gly																
	115	2		- 2		120		_			125					130	
	gga	age	cta	agt	gaa	cta	aca	gat	att	agc		aat	aaa	tta	atq	tct	788
	Gly																
91	-				135					140	-1-		1		145		
	gca	aca	acc	aac		aac	gac	aaa	att		aac	atc	cta	σta		gaa	836
	Ala																
95				150				-1-	155	1				160	2		
	999	at.c	acc		ctc	agc	tta	aga		t.ca	tat	gat	ctt		tat	ata	884
	Gly																
99	_		165					170			-1-		175	2	-1-		
		a eti		. gad	- 000	att	. ccc		a ata	aaa	a ctt	. gad		a aaa	a ato	ggta	932
																Val	
10		180					185				,	190		1			
				σας	e ago	aqt			a ccc	aga	a ata			c ata	a act	gca	980
																Ala	
	7 19		2 -			200			,	•	205					210	
			. σat	tac	c caa			ı tca	a cac	tad			a aat	. aa	a ata	a aca	1028
																Thr	
11		1		2 -	215					220			_		225		
	3 ato	a aca	a ctc	a tto			c aac	att	gat	. acc	ato	aca	ago	cto	c ago	att	1076
	4 Ile																
11				230			-		235					240			
		a aaa	a gad			ı ttt	. caa	aca			cac	a a a	ctt	. ata	a cto	g ggc	1124
																Gly	
11	-		245				_	250				_	259			•	
		aco			cto	ata	a aac			: aac	a aca	acc			caco	agg	1172
																Arg	
12		260					265			1		270				- 3	
				r ada	a aac	: aat			ı acc	aco	a a a			aac	c att	atg	1220
																ı Met	
	7 275					280	_				285					290	
			r aat	ctt	atr			aca	a aac	gad			: cac	מ ממי	a ato	aca	1268
																Thr	
13		~ ~ 110	101		295			441		300				`	305		
	-										-						

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133	tcc	atc	aaa	ctg	gag	ata	gtg	acc	tcc	aaa	agt	ggt	ggt	cag	gca	ggg	1316
134	Ser	Ile	Lys	Leu	Glu	Ile	Val	Thr	Ser	Lys	Ser	Gly	Gly	Gln	Ala	Gly	
135			_	310					315	-		_		320			
137	gat	cag	atg	tca	tgg	tcg	gca	aga	ggg	agc	cta	gca	gtg	acg	atc	cat	1364
138	Asp	Gln	Met	Ser	Trp	Ser	Ala	Arg	Gly	Ser	Leu	Ala	Val	Thr	Ile	His ·	
139	_		325		_			330	_				335				
141	ggt	ggc	aac	tat	cca	ggg	gcc	ctc	cgt	CCC	gtc	acg	cta	gtg	gcc	tac	1412
142	Gly	Gly	Asn	Tyr	Pro	Gly	Ala	Leu	Arg	Pro	Val	Thr	Leu	Val	Ala	Tyr	
143		340					345					350					
145	gaa	agà	gtg	gca	aca	gga	tcc	gtc	gtt	acg	gtc	gct	ggg	gtg	agc	aac	1460
146	Glu	Arg	Val	Ala	Thr	Gly	Ser	Val	Val	Thr	Val	Ala	Gly	Val	Ser	Asn	
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150	Phe	Glu	Leu	Ile	Pro	Asn	Pro	Glu	Leu	Ala	Lys	Asn	Leu	Val	Thr	Glu	
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159			405					410					415				
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163		420					425					430					
	ccc																1700
	Pro	Leu	ьуs	ше	Ата	_	Ala	Pne	GIY	Pne	_	Asp	тте	тте	Arg		
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	ata						Ldd	geri	-gg.c	ace g	gegge	cago	il ac	igati	eget		1/51
170	Ile	Arg	Arg	ire	455	vai											
	at as	2000:		arra :		4 + +:		aaaat	· ~=:	actet	- 200	taca	+=+t	-ta t		ttata	1811
		_				-	_		_							cacaga	1871
	-	_	_		_											gctcg	1931
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	_		_		_		_									gtggtg	2051
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	_		-					_	_	_	_	_	_		_	ggete	2171
																agggt	2231
				_						_					_	tggag	2291
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		_				_				_						atgag	2411
																cctga	2471
																actga	2531
																ataca	2591
																tgtaa	2651
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205	atgt	caga	atc o	ctgta	agaga	ac ca	acato	catco	ace	ggtto	ctat	acto	gttga	acc c	caato	gcgtct	2771
																ctctt	2831
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Input Set : N:\efs\03_06_07\10576778_efs\Sequence_Listing.txt
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DATE: 03/06/2007

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			accgtgtgca				3071
217	tatacacccg	cagagtactg	caatttgact	gtattaccaa	tgtcagcaaa	ttttctgtct	3131
			cttggcggat				3191
			atccacatgt				3251
			ttccttggtg				3311
			attaaatagc				3371
			tttcgacatg				3431
			tactgggcaa				3491
			gtgctccttc				3551
			aaaccgaaat				3611
			atggtgcact				3671
			gccaacaccc				3731
			agctgtgacc				3791
			cgcgagacga				3851
			ggtttcttag				3911
			aattgaggag				3971
			ccccgcatgg				4031
			tagacgcata				4091
			atatatac				4151
			agctcgcgtt				4211
			aagttcctat				4271
			ctgaagacgc				4331
			tgcgaatacc				4391
			tatatcccta				4451
			cctctacatt				4511
			aactattcat				4571
			tatagagaca				4631
			ctatcacttt				4691
			tgcctttatc				4751
			ggagtcaggc				4811
			aacggaccta				4871
			aaaaagtaat				4931
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			ctgtaaaaat				5051
			gttttacaaa				5111
			ctgttctgta				5171
			tttttgttct				5231
			tgcgcggaac				5291
			gacaataacc				5351
293	gaagagtatg	agtattcaac	atttccgtgt	caccettatt	cccttttttg	cggcattttg	5411
			cagaaacgct				5471
	_	_	tcgaactgga				5531
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			ggcaagagca				5651
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313 totagettee eggeaceat taatagactg gatggaggeg gataaagttg caggaceact
315 tetgegeteg gecetteegg etggetggtt tattgetgat aaatetggag eeggtgageg
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317 tqqqtctcqc gqtatcattq cagcactqqq gccaqatqqt aagccctccc gtatcqtaqt
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319 tatctacacg acggggagtc aggcaactat ggatgaacga aatagacaga tcgctgagat
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321 aggtgcctca ctgattaagc attggtaact gtcagaccaa gtttactcat atatacttta
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323 gattgattta aaacttcatt tttaatttaa aaggatctag gtgaagatcc tttttgataa
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                                                                         6371
325 teteatqaee aaaateeett aaegtgagtt ttegtteeae tgagegteag acceegtaga
327 aaaqatcaaa qqatcttctt qaqatccttt ttttctgcgc gtaatctgct gcttgcaaac
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329 aaaaaaacca ccgctaccag cggtggtttg tttgccggat caagagctac caactctttt
                                                                         6491
331 tecgaaggta actggettea geagagegea gataceaaat actgteette tagtgtagee
                                                                         6551
333 gtagttagge caccaettea agaactetgt ageacegeet acataceteg etetgetaat
                                                                         6611
                                                                         6671
335 cctgttacca gtggctgctg ccagtggcga taagtcgtgt cttaccgggt tggactcaag
                                                                         6731
337 acgatagtta ccggataagg cgcagcggtc gggctgaacg gggggttcgt gcacacagcc
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339 cagcttggag cgaacgacct acaccgaact gagataccta cagcgtgagc tatgagaaag
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341 cgccacgctt cccgaaggga gaaaggcgga caggtatccg gtaagcggca gggtcggaac
343 aggagagege acgagggage ttecaggggg aaacgeetgg tatetttata gteetgtegg
345 gtttcgccac ctctgacttg agcgtcgatt tttgtgatgc tcgtcagggg ggcggagcct
                                                                         6971
                                                                         7031
347 atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttgct ggccttttgc
349 teacatqtte ttteetqeqt tateeeetqa ttetqtqqat aaceqtatta eegeetttga
                                                                         7091
351 gtgagctgat accgctcgcc gcagccgaac gaccgagcgc agcgagtcag tgagcgagga
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353 agcggaagag cgcccaatac gcaaaccgcc tctccccgcg cgttggccga ttcattaatg
                                                                         7211
355 caqctqaatt qqaqcqacct catqctatac ctqaqaaaqc aacctgacct acaggaaaga
                                                                         7271
357 qttactcaaq aataaqaatt ttcqttttaa aacctaaqaq tcactttaaa atttgtatac
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                                                                         7391
359 acttattttt tttataactt atttaataat aaaaatcata aatcataaga aattcgctta
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361 tttagaagtg tcaacaacgt atctaccaac gatttgaccc ttttccatct tttcgtaaat
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363 ttctqqcaaq qtaqacaaqc cqacaacctt qattggaqac ttgaccaaac ctctggcgaa
365 gaattgttaa ttaagagete agatettate gtegteatee ttgtaateea tegataetag
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367 tgcggccgcc ctttagtgag ggttgaattc gaattttcaa aaattcttac ttttttttg
                                                                         7631
                                                                         7691
369 gatggacgca aagaagttta ataatcatat tacatggcat taccaccata tacatatcca
371 tatacatatc catatctaat cttacttata tgttgtggaa atgtaaagag ccccattatc
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373 ttaqcctaaa aaaaccttct ctttggaact ttcagtaata cgcttaactg ctcattgcta
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375 tattgaagta cggattagaa gccgccgagc gggtgacagc cctccgaagg aagactctcc
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377 tccgtgcgtc ctcgtcttca ccggtcgcgt tcctgaaacg cagatgtgcc tcgcgccg
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380 <210> SEQ ID NO: 2
381 <211> LENGTH: 35
382 <212> TYPE: DNA
383 <213> ORGANISM: Artificial
385 <220> FEATURE:
386 <223> OTHER INFORMATION: Oligo I, direct oligonucleotide primer used for generating
          DNA fragment encoding pVP2-456 protein in combination with SEQ ID
387
388
          NO: 3
390 <400> SEQUENCE: 2
                                                                           35
391 gcgcagatct atgacaaacc tgtcagatca aaccc
394 <210> SEO ID NO: 3
395 <211> LENGTH: 32
396 <212> TYPE: DNA
397 <213> ORGANISM: Artificial
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the

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/576,778

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Input Set : N:\efs\03_06_07\10576778_efs\Sequence_Listing.txt

Output Set: N:\CRF4\03062007\J576778.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

DATE: 03/06/2007

PATENT APPLICATION: US/10/576,778

TIME: 11:18:58

Input Set : N:\efs\03_06_07\10576778_efs\Sequence_Listing.txt Output Set: N:\CRF4\03062007\J576778.raw